

ABSTRACT

A method for writing a multi-session recordable disc. The method includes performing an immediate optimum power calibration (IOPC) in the lead-in area of each session of a multi-session recordable disc, determining a recording power for the session according to the IOPC output, and completing the session using the determined recording power. The method may be used in addition to the optimal power calibration (OPC) procedures included in the normal initialization of recordable discs. IOPC provides recording devices with an optimal recording power value obtained closer to the point of use than that obtained by conventional OPC procedures carried out at the extremities of the recordable area. Alternative embodiments of the method make accommodations for recording power variations according to disc velocity mode (CAV/CLV), recording speed, and the basis of the IOPC upon a variety of available data sources.